

This listing of claims replaces all prior versions, and listings, of claims in this application.

LISTING OF CLAIMS:

1. (Previously Presented) An electronic device having wireless communication functions under a first operating state and a second operating state, comprising:

an antenna pair mounted separately thereon, the first antenna thereof being omni-directional in a predetermined plane when said electronic device is operative under said first operating state, and the second antenna thereof being omni-directional in said predetermined plane when said electronic device is operative under said second operating state;

a wireless communication module for encoding and decoding signals that are transmitted and received, respectively, during wireless communication through said antenna pair;

a RF switch coupling said wireless communication module to said first antenna and said second antenna for switching between said first antenna and said second antenna; and

a trigger switch for detecting the transition between said first operating state and said second operating state that causes rotation in space of said antenna pair, and for triggering said RF switch in responsive thereto;

wherein said RF switch switches to said first antenna as said electronic device transfers to said first operating state, and said RF switch switches to said second antenna as said electronic device transfers to said second operating state.

2. (Original) The electronic device according to claim 1, wherein said predetermined plane is in the horizontal plane.

3. (Original) The electronic device according to claim 1, wherein said trigger switch is a mechanical switch.

4. (Original) The electronic device according to claim 1, wherein said trigger switch is an optical device.
5. (Original) The electronic device according to claim 1, wherein said trigger switch comprises software codes.
6. (Original) The electronic device according to claim 1, wherein said wireless communication module follows the standard of IEEE 802.11b protocol.
7. (Original) The electronic device according to claim 1, wherein said wireless communication module follows the standard of Bluetooth protocol.
8. (Original) The electronic device according to claim 1, wherein said trigger switch can be manually controlled.
9. (Original) The electronic device according to claim 1, is a computer having a rotatable unit whereon said antenna pair is mounted, said first operating state and said second operating state being distinguished by the rotation angle of said rotatable unit.
10. (Original) The electronic device according to claim 1, is a portable computer with a rotatable display panel whereon said antenna pair is mounted.
11. (Original) The electronic device according to claim 1, is a computer appliance, said first operating state and said second operating state each corresponding to a distinct placement thereof.

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12. (Original) The electronic device according to claim 1, is an access point device having connections to network, said first operating state and said second operating state being the upright and horizontal placement thereof, respectively.

13.-17. (Canceled)